## DECLARATION FOR PATENT APPLICATION

As a below named inventor, I declare that I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

#### 32 Human Secreted Proteins

the specification of which is filed on November 10, 1998 as Application Serial No. 09/189,144.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application, which designated at least one country other than the United States listed below, and have also identified below any foreign application for patent or inventor's certificate, or PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)	:		Priority C	laimed
			Yes	No
(Number)	(Country)	(Day/Month/Year Filed)		

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below.

ĺ	Filing Date	Appln No.
1.	May 30, 1997	60/044,039
2.	May 30; 1997	60/048,093
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PCT/US98/10868	May 28, 1998	pending
(Application Serial No.)	(Filing Date)	(Status: patented, pending, abandoned)

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: A. Anders Brookes (Reg. No. 36,373), Kenley K. Hoover (Reg. No. 40,302); James H. Davis (Reg. No. 40,582), Joseph J. Kenny (Reg. No. 43,710) and Michele M. Wales (Reg. No. 43,975) all of Human Genome Sciences, Inc. 9410 Key West Avenue, Rockville, Maryland, 20850.

## 10062599.020502

Ref No: PZ006P1 Serial No: 09/189,144

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Full name of first joint inventor: Steven M. Ruben		
Inventor's signature:  Residence: 18528 Heritage Hills Drive, Olney, MD 20832  Post Office Address: same as above	Date: <u>\$7</u> Citizenship:	11/98 US
Full name of first joint inventor: Craig A. Rosen		
Inventor's signature:  Residence: 22400 Rolling Hill Road/Laytonsville, MD 20882  Post Office Address: same as above	Date: 5// Citizenship: /	0/99 US
rost Office Address. Same as above		
Full name of additional joint inventor: Kenneth C. Carter		
Inventor's signature:	Date:	
Residence: 11601 Brandy Hall Lane, North Potomac, MD 20878 Post Office Address: same as above	Citizenship:	US
Full name of first joint inventor: Patrick J. Dillon		
Inventor's signature:	Date:	
Residence: 1055 Snipe Court, Carlsbad, CA 92009  Post Office Address: same as above	Citizenship:	US
Post Office Address: same as above		<del></del>
Full name of additional joint inventor: Gregory A. Endress	· · · · · · · · · · · · · · · · · · ·	
		•
Inventor's signature:	Date: Citizenship:	US
Residence: 9729 Clagett Farm Drive, Potomac, MD 20954  Post Office Address: same as above	_ Citizenship.	
Post Office Address: same as above		
	. •	
Full name of additional joint inventor: Guo-Liang Yu		<u> </u>
	•	
Inventor's signature:	Date:	
Residence: 242 Gravatt Dr., Berkeley, California 94705	Citizenship:	CN
Post Office Address: same as above		

## 10062599.020sus

Ref No: PZ006P1 Serial No: 09/189,144

Full name of first joint inventor:	Jian Ni	
Inventor's signature: Residence: 5502 Manorfield Road Post Office Address: same as	, Kockvilla MD 20853 above	Date:
Full name of additional joint inventor:	Ping Feng	
Inventor's signature: Residence: 4 Relda Court, Gaither	Sparg, MD 20878	Date: 5/14/99 Citizenship: EN U
Post Office Address: same as ab	ove _	

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## 10062599.0205Ud

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Full name of first joint inventor:	Steven M. Ruben	······································	
•			
Inventor's signature:	•	Date:	
	s Drive, Olney, MD 20832	Citizenship:	US
	as above	- *	
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Full name of first joint inventor:	Craig A. Rosen	<del></del>	
Inventor's signature:	•	Date:	
Residence: 22400 Rolling Hill	Road, Laytonsville, MD 20882	Citizenship:	US
	as above	<del></del> . • • •	
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	600	•	
Full name of additional joint invento	r: Kennoth C. Carter		
·			
The state of the s	to the	Date: /1/	5/99
Inventor's signature:	Lane, North Potomac, MD 20878		JUS
		- Chilesianipi (	10
Post Office Address: samé as	40000		
Full name of first joint inventor:	Patrick J. Dillon	<u> </u>	
	•		
		Date:	
Inventor's signature:	Contribut CA 92000	Citizenship:	US
Residence: 1055 Snipe Court, C	as above	CHIZOHSHIP.	
Post Office Address: same	: AS ADOVE		
• •			
Full name of additional joint invento	or: Gregory A. Endress		
·	•	Date:	
Inventor's signature:	D: D: 20054	Citizenship:	US
	Drive, Potomac, MD 20954	- Cittzensinp.	
Post Office Address: same as	sabove	<u> </u>	
ft ·			
	• .		
Full name of additional joint invent	or: Guo-Liang Yu	•	
run name or additional Joint Invoice			
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Inventor's signature:		Date:	
Residence: 242 Gravatt Dr., E	Berkeley, California 94705	Citizenship:	CN
	s above		

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Ref No: PZ006P1 Serial No: 09/189,144

Full name of first joint inventor:	Jian Ni		
Inventor's signature:		Date:	
	, Rockville, MD 20853	Citizenship:	CN
Post Office Address: same as	above	•	
Full name of additional joint inventor:	Ping Feng		
Inventor's signature:		Date:	
Inventor's signature: Residence: 4 Relda Court, Gaither Post Office Address: same as ab	rsburg, MD 20878	Date: Citizenship:	US



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## 10062599 oeosoc

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	as above	_ •	
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<u>-</u>			
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Residence: 22400 Rolling Hill R Post Office Address: same	as above	Chizenship.	03
Fost Office Address.	43070		<del></del>
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	a'		
_		Date:	
Inventor's signature:	No. th. Dotomas, MD 20979	Citizenship:	US
	Lane, North Potomac, MD 20878	. Chizchship.	_05_
Post Office Address: same as	above		
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Townston's signature: 17/6/1	my 1x 1h Mu	Date: 06/	//3/77
Inventor's signature: 2/4/W Residence: 1055 Snipe Court, C	Carlshad CA/92009	Citizenship:/	/US
Post Office Address: same	as above		
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m n	r: Gregory A. Endress		,
Full name of additional joint invento	diegory in Endress		
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Tun name of additionar joint in the			
		Date	
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	erkeley, California 94705	Citizenship:	CIV
Post Office Address: same as	above	<del>`</del>	

## 10062599.Octobe

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Full name of first joint inventor:		n Ni		<del></del>
Inventor's signature: Residence: 5502 Manorfie	ld Road Rock	cville, MD 20853	Date: Citizenship:	CN
	same as above			
Full name of additional joint in	ventor:	Ping Feng	·	
Inventor's signature:			Date:	
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Inventor's signature:	Date:
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Fill hame of additional joint inventor.	
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Tun name of additional joint	<u> </u>
$\mathcal{M}$	P 1 = 1 = 1 = 1 = 1 = 1 = 1 = 1 = 1 = 1
Inventor's signature:	inchis Date: 6/3/99
Residence: 9729 Clagett Farm Drive, Polomac, MD	20954-20854 Citizenship: US
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	•
Full name of additional joint inventor:  Guo-L	iang Yu
Full flame of additional joint myonion.	
Inventor's signature:	Date:
Residence: 242 Gravatt Dr., Berkeley, California	94705 Citizenship: CN
Post Office Address: same as above	

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Full name of first joint inve	entor: <u>J</u>	lian Ni	 	
Inventor's signature: Residence: 5502 Mar	porfield Dond Po	ockville MD 20853	Date: Citizenship:	CN
Post Office Address:	same as abo		 Citizensinp.	CIV
Full name of additional joi	nt inventor:	Ping Feng		
Inventor's signature:			Date:	•
	Court, Gaithersbu	- MD 20070	 Citironohini	
	Jourt, Camilerson	1g, IVID 20070	Citizenship:	US



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Post Office Address: same a	s above		
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Residence: 1055 Snipe Court,	Carisbad, CA 92009	Chizonamp.	
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Inventor's signature:		Date:	
Residence: 4 Relda Court,	Gaithersburg, MD 20878	Citizenship:	US
Post Office Address: sam	ne as above		
<del></del>			

## **ASSIGNMENT**

For good and valuable consideration, the receipt of which is hereby acknowledged, each of the undersigned, Steven M. Ruben; Craig A. Rosen; Kenneth C. Carter; Patrick J. Dillon; Gregory A. Endress; Guo-Liang Yu; Jian Ni and Ping Feng, hereby sell(s), assign(s) and transfer(s) to Human Genome Sciences, Inc. ("Assignee") having a place of business at 9410 Key West Avenue, Rockville, MD 20850, its successors, assigns and legal representatives, his entire right, title and interest for the United States and all other countries, in and to the improvements(s) known as:

## 32 Human Secreted Proteins

for which application for United States Letters Patent was filed on November 10, 1998, and assigned Serial No. 09/189,144, and in and to said application and all divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States and all other countries on any of said improvements, and in and to all original and reissued patents which have been or shall be issued in the United States and all other countries on said improvements (hereinafter collectively, the "Patent Rights").

The undersigned further agrees that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and, when requested, without charge to but at the expense of Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue and all other patent applications on all such improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns and representatives all facts known to the undersigned relating to said improvements and the history thereof; and do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patent and all patents on said improvements in Assignee, its successors, assigns and representatives.

The undersigned hereby represents and warrants to Assignee, its successors, assigns and representatives that no assignment, grant, mortgage, license or other right or agreement affecting the rights and property herein conveyed has been made to others by the undersigned and that full right to convey the same as expressed herein is possessed by the undersigned.

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IN WITNESS WHEREOF, this Assignment is executed by the undersigned on the date(s) opposite their signature(s):

Inventor's Signature:	Heren of Rhen	Date: 5/11/99
, ·	Steven M. Ruben	,
Inventor's Signature:	1- D	Date: 5//1/95
	Craig/A. Rosen	<del>-7-7-</del>

		Date:
Inventor's Signature:	Kenneth C. Carter	
	,	Date:
Inventor's Signature:	Patrick J. Dillon	
		Date:
Inventor's Signature:	Gregory A. Endress	
		Date:
Inventor's Signature:	Guo-Liang Yu	
		17/3283
Inventor's Signature:	Jian Ni	Date:
	Chrone	
	Dime Venex	Date: <u>5/24/99</u>
Inventor's Signature:	Ping Feng	

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Inventor's Signature:	Steven M. Ruben	Date:
Inventor's Signature:	Craig A. Rosen	Date:

			Ref No: PZ006P Serial No: 09/189,14
Inventor's Signature:	KAC-T	Date:	15/99
	Kenneth C. Carter		,
		Date:	
Inventor's Signature:	Patrick J. Dillon	٠.	
		Date:	
Inventor's Signature:	Gregory A. Endress		
	· · · · · · · · · · · · · · · · · · ·	Date:	<del></del> ,
Inventor's Signature:	Guo-Liang Yu	•	
		Date:	
Inventor's Signature:	Jian Ni		
<b>.</b> G'		Date:	
Inventor's Signature:	Ping Feng		

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Inventor's Signature:		Date:	
inventor's dignature	Steven M. Ruben		
Inventor's Signature:		Date:	
	Craig A. Rosen	*	

		Date:
Inventor's Signature:	Kenneth C. Carter	)
Inventor's Signature:	Patrick J. Dillon	Date: 06/13/99
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Inventor's Signature:	Gregory A. Endress	
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Inventor's Signature:	Guo-Liang Yu	
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		Date:
Inventor's Signature:	Jian Ni	
	· · · · · · ·	Date:
Inventor's Signature:	Ping Feng	

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Inventor's Signature:		Date:	
m volitor o bigilature.	Craig A. Rosen		

		Date
Inventor's Signature:	Kenneth C. Carter	
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		Date:
Inventor's Signature:	Patrick J. Dillon	
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	Mun. a Evel	Date: 6/3/99
Inventor's Signature:	Gregory A. Endress	
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		Date:
Inventor's Signature:	Guo-Liang Yu	
	Guo-Diang 2	
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	•	Date:
Inventor's Signature:	Jian Ni	
	Jian, 141	
	•	Date:
Inventor's Signature:	Ping Feng	
	PING REUY	

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	Steven M. Ruben		,
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Inventor's Signature:		Date:	ě
arrenter 5 Digitature.	Craig A. Rosen		

Inventor's Signature:	Kenneth C. Carter	•
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Inventor's Signature:	Patrick J. Dillon	Date:
		· · · · · · · · · · · · · · · · · · ·
Inventor's Signature:		Date:
Inventor's Signature.	Gregory A. Endress	
		Date: 7/23/99
Inventor's Signature:	Guo-Liang Yu	
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Inventor's Signature:	Jian Ni	Date:
	, , , , , , , , , , , , , , , , , , ,	
Inventor's Signature:		Date:
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## VIA HAND DELIVERY FEBRUARY 5, 2002

#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Ruben et al.

Atty. Docket No.: PZ006G13YP1C1D1

Application Number: Unassigned

Group Art Unit: Unassigned

Filed: Herewith

Examiner: Unassigned

Title: 32 Human Secreted Proteins

## ASSOCIATE POWER OF ATTORNEY

Commissioner for Patents Washington, D.C. 20231

Sir:

The undersigned attorney of record hereby appoints the Practitioners at Customer Number 22195 as associate attorneys/agents to prosecute the application identified above, including any continuation or divisional applications, and to transact all business in the United States Patent and Trademark Office connected therewith.

Respectfully submitted,

Date: February 5, 2002

Kenley K. Hoover

Reg. No. 40,302

Attorney for Applicants

Human Genome Sciences, Inc.

9410 Key West Avenue Rockville, MD 20850 Telephone: (301) 610-5771

KKH/JMM/CEW/ba/mlm